S. No.	Reference	S-Chem's Comment	Anabeeb's Response	S-Chem's 2nd Comment	Anabeeb's 2nd Response	S-Chem's 3rd Comment	Anabeeb's 3rd Response	Remarks
1	Technical Proposal, 2. ANABEEB TO PROVIDE / TAKE CARE OF,	The following is missing in contractor responsibility, Please confirm and update the proposal for resources and terms and condition. 1) Exchanger Tube NDT works. 2) Crane and forklift with operators & riggers for lifting activities 3) Valve transportation to inside S-Chem Facility. 4) Hydro test for exchangers 5) Drums and Pallets for Unloading and storage of spent catalyst for R-3203 6) Vacuum Trucks with hoses for Unloading and disposal of spent catalyst for R-3301 and R-3302 7) Loading Spreader Beams for the Jumbo bags for loading new catalyst for R-3301 and R-3302 8) Bundle puller with crew for Exchanger 9) Buffing activity as per scope 10) Arrange close circuit cameras for inspection, unloading and loading of catalyst / desiccant on all vessels. R-3301, R-3302 & R-3203. 11) All NDT (Hydro test, Cold cutting, RT and PWHT) support for piping hot work as per scope of work. 12) Vacuum Trucks and Catch Basin / skip for D-3302 and E-3303 & E-3304 respectively during hydro jetting activities.	1. Excahnger ECT is considered. 2. We have considered the same. 3. We have considered the same. 4. We have considered the same. 5. We have considered the same. 6. We have considered the same. 7. We have considered the same. 8. We have considerd. There is only 1 bundle pulling in the scope. 9. Considered. 10. We have considered the same. 11. RT, Cold Cutting and Hydrotest is considered as per the scope. PWHT is not applicable. 12. We have considered the same.	1. Since scope includes IRIS, SECT & ECT for the exchangers tubes. As it mentioned in response ECT please confirm for the SECT & IRIS	SECT and IRIS as per provided scope is considered.	Refer the scope there are 18 exchnager require ECT E-3201, E-3228X, E-3229X, E-3303, E-3307A/B, E-3308, E-3309, E-3320A /B, E-3359, E-3363A /B, E-3367, E-3368, E-3391, E-3383, E-3386. Please verify scope and confirm for ECT under Anabeeb scope	ECT, SECT and IRIS as per provided scope is considered. E-3201 - ECT - 83 Tubes, E-3204 - SECT - 170 Tubes, E-3205 - SECT - 495 Tubes, E-3207A - SECT - 298 Tubes, E-3207B - SECT - 298 Tubes, E-3208A - SECT - 401 Tubes, E-3208B - SECT - 401 Tubes, E-3208C - SECT - 401 Tubes, E-3208D - SECT - 401 Tubes, E-3208E - SECT - 401 Tubes, E-3209 - IRIS - 271 Tubes, E-3221 - SECT - 314 Tubes, E-3223 - IRIS - 1 Tubes, E-3227 - IRIS - 145 Tubes, E-3228 X - ECT - 69 Tubes, E-3229 X - ECT - 69 Tubes, E-3301 - IRIS - 161 Tubes, E-3303 - ECT - 430 Tubes, E-3304 - IRIS - 510 Tubes, E-3307A - ECT - 622 Tubes, E-3307B - ECT - 622 Tubes, E-3308 - ECT - 227 Tubes, E-3309 - ECT - 247 Tubes, E-3310 - IRIS - 153 Tubes, E-3311 - IRIS - 121 Tubes, E-3312 - IRIS - 365 Tubes, E-3313 - IRIS - 76 Tubes, E-3314 - IRIS - 124 Tubes, E-3315A - IRIS - 139 Tubes, E-3315B - IRIS - 139 Tubes, E-3315C - IRIS - 139 Tubes, E-3315D - IRIS - 139 Tubes, E-3315E - IRIS - 139 Tubes, E-3316 - IRIS - 115 Tubes, E-3317 - IRIS - 151 Tubes, E-3320A - ECT - 145 Tubes, E-3320B - ECT - 145 Tubes, E-3351A - IRIS - 510 Tubes, E-3351B - IRIS - 510 Tubes, E-3355 - IRIS - 217 Tubes, E-3358A - IRIS - 510 Tubes, E-3358B - IRIS - 510 Tubes, E-3359 - ECT - 440 Tubes, E-3362 - SECT - 160 Tubes, E-3363A - ECT - 130 Tubes, E-3363B - ECT - 130 Tubes, E-3367 - ECT - 38 Tubes, E-3368 - ECT - 38 Tubes, E-3383 - ECT - 19 Tubes, E-3386 - ECT - 19 Tubes, E-3391 - ECT - 108 Tubes, E-3213A - IRIS - 128 Tubes, E-3213B - IRIS - 128 Tubes, E-3222 - SECT - 134 Tubes, E-3225 - IRIS - 131	Closed
2	Technical Proposal, 3. S-CHEM TO PROVIDE / TAKE CARE OF (Free of charge), Point 3.22	The Clause need to be changed as " Signing of daily time Sheets of ANABEEB for additional or discovery scope will be done based on ANABEEB resources listed by Plan Tech and agreed by S-Chem TA and Execution Maintenance for scope before start of work, and / or In case work prolongs due to reasons not attribute to ANABEEB" Please confirm and update the proposal.	We will update as "Signing of daily time Sheets of ANABEEB for additional or discovery scope will be done based on ANABEEB resources listed by **ANABEEB** and agreed by S-Chem TA and Execution Maintenance for scope before start of work, and / or In case work prolongs due to reasons not attribute to ANABEEB"					Closed
3	Technical Proposal, 3. S-CHEM TO PROVIDE / TAKE CARE OF (Free of charge), Point 3.25	1) Plant air is not available. Providing Air Compressor is under Contractor responsibility. Please confirm and update the proposal. 2) Electric power supply as specified in scope for the equipment will be provided. For Contractor Containers, Contractor should arrange by themself the generators for power supply. Please confirm.	1- Air Compressors are considered. 2. Electric power only for tool, material containers mobilized by ANABEEB will be provided by ANABEEB.					Closed
4	Technical Proposal, 4. Qualification / Assumptions, Point 4.6	Power required for contractor will be under contractor responsibility. Please confirm and update in proposal.	As informed by SCHEM in the pre-bid clarifications, we have considered all Power requirement at site will be provided by SCHEM including the BA container at site. Only Power for the Tool, Material Containers will be provided by ANABEEB.	For any contractor container , power supply will be under contractor scope.	Noted. We will consider and revise our proposal accordingly.			Closed
5	Technical Proposal, 4. Qualification / Assumptions, Point 4.8	Please refer Exhibit I, Section-A Terms & Condition, "CONTRACTOR shall provide Manpower loading chart and equipment loading chart separately for Catalyst change Exhibit I and shall not combine with Manpower loading chart and equipment loading chart of Fixed equipment package Ethylene Exhibit I. Overall Project Manager can be combined as one for Catalyst change Exhibit I and Fixed equipment package Ethylene Exhibit I." Therefore, Please provide the equipment loading chart accordingly for further technical evaluation.	Since the line length is very huge, only Hydrojetting pump will not be sufficient to meet the required volume for flushing. So will utilize the Plant pumps on top of hydrojetting pump for the flushing works.	Closed	Noted. Based on your previous experience, we will follow the same.			Closed
6	Technical Proposal, 4. Qualification / Assumptions, Point 4.18	Should be extended up to 2 weeks as per prevailing practices. Please confirm and update the proposal.	Noted.					Closed
7	Technical Proposal, II. Schedule	In the detailed schedule, 1) Many equipment's are miss matched with system and are not as per the "SYSTEM WISE MAINTENANCE WINDOW-EBSM" provided along with exhibit I. 2) Also Many Piping cold work jobs are not listed in the details schedule with respect to system as per the "SYSTEM WISE MAINTENANCE WINDOW-EBSM" provided along with exhibit I.. But as per scope compliance accepted scope of work as per exhibit I. Please review and confirm schedule with respect to Scope compliance acceptance.	It is only a preliminary Schedule. Detailed schedule based on exact system wise duration will be provided after award of contract.					Closed
8	Technical Proposal, II. Schedule	The schedule should be provided separate for Catalyst change EBSM Exhibit I and for Fixed equipment package EBSM Exhibit I accordingly. Therefore, Please provide the Schedule accordingly and have duration in days for further technical evaluation	Preliminary schedule including the catalyst works is submitted. Detailed schedule will be provided after award of contract.					Closed
9	Technical Proposal,	The requested manpower (as per below) to support maintenance during decommissioning 12 days and commissioning start up 12 days as per Fixed equipment package EBSM Exhibit I are captured in Proposal. Please confirm. Pipe fitter - 16 (8 day / 8 Night) Pipe fitter (BA Qualified) - 8 (4 day / 4 Night) Foreman/Permit receiver - 2 (1 day / 1 Night) Breathing Apparatus complete set- 1 (24 hours)	Below is considered as per the provided details in the RFQ. **Unit 32** **14 days Decommissioning and 14 days Commissioning** Pipe fitter - 8 (4 day / 4 Night) Pipe fitter (BA Qualified) - 4 (2 day / 2 Night) **Unit 33** **14 days Decommissioning and 14 days Commissioning** Pipe fitter - 8 (4 day / 4 Night) Pipe fitter (BA Qualified) - 4 (2 day / 2 Night) Foreman/Permit receiver - 2 (1 day / 1 Night) Breathing Apparatus complete set- 1 (24 hours)					Closed
10	Manpower loading Fixed and Catalyst	The below mentioned man power seems to be in adequate /Missing for scope of work, please ensure, enough crew is available as per the job scope and provide revised Manpower loading chart. 1. Catalyst Technician - In adequate, Since there are 2 dehydro reactors and Finishing reactor equipment's for which only 14 which have only 7 in day and 7 in night. Please review and confirm. 1. Catalyst Technician - Not mentioned in fixed and catalyst. Please review and confirm. 2. Fabricator - In adequate, since there is Buffing activities for fixed and Catalyst equipment's as per scope. Please review and confirm.	1. There are 56 Pipefitter / BA Technician to support the Catalyst Technicians which we consider is adequate as per our experience. 1. Catalyst Technician is mentioned. 3. Our pipe fitter are capable to do buffing activity so we have consider pipe fitter for buffing activity under our lumpsum.					Closed
11	Equipment loading Fixed and Catalyst	The below mentioned Equipment seems to be in adequate /Missing for scope of work, please ensure, enough equipment is available as per the job scope and provide revised equipment loading chart. 1. Crane - Max. capacity of crane provided is 120 T, Since there is one bundle pull activities and CV, PRD at elevation. Please review and confirm for mx. capacity to be used.	We have only 1 bundle pulling of very small exchanger. Based on the site visit and evaluation, 100 Ton is the maximum required capacity crane. If SCHEM envisage higher capacity crane requirement based on previous experience, please high light the equipment to relook into the same.					Closed
12	Technical Proposal, reference Exhibit I	With respect to exhibit I 2.10 PIPE CLEANING, INSPECTION AND HOT WORK SCOPE OF WORK: The scope is updated to change from hot work to cold work. Highlighted strike out scope is removed for Hot work activities. 2 **CLEANING SUCTION & DISCHARGE PIPING OF P-3301A/B- JCP-0426; D-3302** ➢ BLIND AS PER OPERATION BLIND LIST. ➢ COORDINATE TO DISCONNECT INSTRUMENT CONNECTIONS. ➢ DROP GATE VALVES, CONTROL VALVE, FE, NRV'S, PIPIG SPOOLS, PRESSURE GAUGE AS PER THE MARK UP P&ID'S ➢ OFFER FOR INITIAL INSPECTION / BOROSCOPE INSPECTION BY OPERATIONS, RELIBAILTY AND PROCESS ENGINEER ➢ ~~COLD CUTTING OF PIPING SPOOLS AND DROP AS PER MARK UP P&ID'S~~ ➢ HYDROJET CLEAN ALL PIPING LINE AS PER THE MARK UP P&IDS' ➢ PUMP STRANERS REMOVAL, CLEANINNG, INSPECTION AND INSTALATION. ➢ BOLTS AND GASKET SURFACE PREPARATION ➢ POST CLEANING INSPECTION BY RELIABILTY, PROCESS ENGINEERING AND OPERATIONS. ➢ COORDINATE WITH RELIABILITY AND PROCESS ENGINEERING FOR BORESCOPE INSPECTION. ➢ COMPLETE INSPECTION RECOMMENDATION AS PER RELIABILITY. ➢ ~~PREPARE FOR WELDING ACTIVITIES FOR PIPE SPOOLS FOR THE COLD CUT JOINTS DONE FOR CLEANING.~~ ➢ ~~BEVEL PREPARATION FOR PIPE JOINT.~~ ➢ ~~BEVEL JOINT DPT~~ ➢ ~~FIT UP PIPE SPOOLS JOINTS~~ ➢ ~~WELDING AND NDT (DPT, RT AND HYDRO TEST) AS PER THE RIR.~~ ➢ ~~OFFER FOR FINAL INSPECTION FOR WELDING ACTIVITIES BY RELIABILTY.~~ ➢ ALIGMENT CHECK FOR PUMP PIPING CONNECTION WITH S-CHEM ROTATING. ➢ INSTALL AND BOX UP GATE VALVES, CONTROL VALVE, FE, NRV'S, PIPIG SPOOLS, PRESSURE GAUGE AS PER THE MARK UP P&ID'S AND APPLY TORQUE AS REQUIRED. ➢ COORDINATE TO RE-CONNECT INSTRUMENT CONNECTIONS. ➢ PULL BLINDS AND APPLY TORQUE AS REQUIRED. **NOTE:** ~~1) COLD CUTTING, WELDING AND NDT (DPT, RT AND HYDRO TEST) UNDER CONTRACTOR SCOPE.~~ ➢ ISOLATION AND DECONTAMINATION OF EQUIPMENT/SYSTEM. (S-CHEM WILL PROVIDE ALL NECESSARY HARD PIPING FOR FACILITATE THE DECONTAMINATION WORKS) ➢ SYESTEM BLINDING AND COMMON BLINDING WHICH INTERPRETED WITH OTHERS. ➢ PROVIDE DRAWINGS, MATERIALS, HARD WARES, BLINDS, AND GASKETS. ➢ PROVIDE ALL UTILITIES SUCH AS WATER, INTERNAL AND EXTERNAL LIGHTING ➢ SCAFFOLDING (INTERNAL AND OUTSIDE). ➢ INSULATION REMOVAL & REINSTALLATION, ➢ UTT / SEE SNAKE / BORESCOPE INSPECTION. ➢ PAINTING WORK. ➢ ~~PRE-FABRICATION OF PIPE SPOOLS.~~	We understand Hot work is removed only from JCP-0426. We will consider the same accordingly in our revised submission.				Closed

S. No.	Reference	S-Chem's 1st comment	PTA's 1st Response	S-Chem's 2nd comment	PTA's 2nd Response	Remarks
1	Technical Proposal, 2. Plant Tech TO PROVIDE / TAKE CARE OF,	The following is missing in contractor responsibility, Please confirm and update the proposal for resources and terms and condition. 1) Hydro test for exchangers 2) Drums and Pallets for Unloading and storage of spent catalyst for R-3203 3) Vacuum Trucks with hoses for Unloading and disposal of spent catalyst for R-3301 and R-3302 4) Loading Spreader Beams for the Jumbo bags for loading new catalyst for R-3301 and R-3302 5) Bundle puller with crew for Exchanger 6) Buffing activity as per scope 7) Arrange close circuit cameras for inspection, unloading and loading of catalyst / desiccant on all vessels. R-3301, R-3302 & R-3203. 8) All NDT (Hydro test, Cold cutting, RT and PWHT) support for piping hot work as per scope of work. 9) Vacuum Trucks and Catch Basin / skip for D-3302 and E-3303 & E-3304 respectively during hydro jetting activities.	The following is missing in contractor responsibility, Please confirm and update the proposal for resources and terms and condition. 1) Hydro test for exchangers - Noted and Changes will be reflected in the revised proposal 2) Drums and Pallets for Unloading and storage of spent catalyst for R-3203 - Noted and Changes will be reflected in the revised proposal 3) Vacuum Trucks with hoses for Unloading and disposal of spent catalyst for R-3301 and R-3302 - Noted and Changes will be reflected in the revised proposal 4) Loading Spreader Beams for the Jumbo bags for loading new catalyst for R-3301 and R-3302 - Noted and Changes will be reflected in the revised proposal 5) Bundle puller with crew for Exchanger - Based on site visit and provided drawings (Bundle details -weights 527 kgs, dia-0.43 m & length 1.3 m) BUNDLE can be manually pulled out 6) Buffing activity as per scope - Noted and Changes will be reflected in the revised proposal 7) Arrange close circuit cameras for inspection, unloading and loading of catalyst / desiccant on all vessels. R-3301, R-3302 & R-3203. - Noted and Changes will be reflected in the revised proposal 8) All NDT (Hydro test, Cold cutting, RT and PWHT) support for piping hot work as per scope of work. - Noted and Changes will be reflected in the revised proposal 9) Vacuum Trucks and Catch Basin / skip for D-3302 and E-3303 & E-3304 respectively during hydro jetting activities. - Noted and Changes will be reflected in the revised proposal	5. As per the S-Chem safety requirement, its better to utilize the Bundle pulling by Bundle Puller. Therfore, please ensure to have in equipment deployment chart.	Noted and already upated in the revised technical proposal	Closed
2	Technical Proposal, 3. S-Chem to provide / take care of (free of charge), Point 3.4	CONTRACTOR mentioned Site Coordination under COMPANY responsibility. However, As per the Exhibit 1 clause 1.1.1 provided by the COMPANY, CONTRACTOR will be responsible for all site coordination with Planning, Operation, Process & reliability as & when necessary to make sure that there is no lag time in between activities. Please confirm and update the proposal.	Noted and Changes will be reflected in the revised proposal			Closed
3	Technical Proposal, 3. S-Chem to provide / take care of (free of charge), Point 3.6	Off loading of Contractor equipment during mobilization at site is under contractor scope. Therefore this clause is not applicable. Please confirm and update the proposal.	Noted and Changes will be reflected in the revised proposal			Closed
4	Technical Proposal, 3. S-Chem to provide / take care of (free of charge), Point 3.22	1) Plant air is not available. Providing Air Compressor is under Contractor responsibility. Please confirm and update the proposal. 2) Electric power supply as specified in scope for the equipment will be provided. For Contractor Containers, Contractor should arrange by themself the generators for power supply. Please confirm.	1) Plant air is not available. Providing Air Compressor is under Contractor responsibility. Please confirm and update the proposal. - Noted and Changes will be reflected in the revised proposals. 2) Electric power supply as specified in scope for the equipment will be provided. For Contractor Containers, Contractor should arrange by themself the generators for power supply. Please confirm. - Confirmed			Closed
5	Technical Proposal, 3. S-Chem to provide / take care of (free of charge), Point 3.12	Please refer Exhibit I, Section-A Terms & Condition, "CONTRACTOR shall provide Manpower loading chart and equipment loading chart separately for Catalyst change Exhibit I and shall not combine with Manpower loading chart and equipment loading chart of Fixed equipment package Ethylene Exhibit I. Overall Project Manager can be combined as one for Catalyst change Exhibit I and Fixed equipment package Ethylene Exhibit I." Therefore, Please provide the equipment loading chart accordingly for further technical evaluation.	Confirmed & Changes will be reflected in the revised proposals.	Closed		Closed
6	Technical Proposal, 3. S-Chem to provide / take care of (free of charge), Point 3.15	This is under contractor scope if required. Please confirm and update the proposal.	Confirmed & Changes will be reflected in the revised proposals.			Closed
7	Technical Proposal, 3. S-Chem to provide / take care of (free of charge), Point 3.18	This is under contractor scope. Please confirm and update the proposal.	Confirmed & Changes will be reflected in the revised proposals.			Closed
8	Technical Proposal, 4. QUALIFICATION / ASSUMPTIONS, Point 4.1	CONTRACTOR mentioned " SCP-JCP TA January 2023" . As per the Exhibit 1 provided by COMPANY, TA will be in January 2024. The shutdown date is 7th Jan. 2024. Please confirm and update the proposal.	Typo error. Chnages will be reflected in the revised proposal			Closed
9	Technical Proposal, 4. QUALIFICATION / ASSUMPTIONS, Point 4.23	Buffing is part lumpsum. Therefore contractors hould ensure to have the required number of fabricators to execute buffing the activities for equipments. No further unit rate will be considered as additional. Please confirm and update the proposal.	Confirmed & Changes will be reflected in the revised proposals.			Closed
10	Manpower loading Fixed and Catalyst	The below mentioned man power seems to be in adequate /Missing for scope of work, please ensure, enough crew is available as per the job scope and provide revised Manpower loading chart. 1. Operator Bundle Puller - not mentioned since there is one bundle pull, Please review and confirm. 2.Manway watch- Not mentioned, which will be required for the CSE activties.Please review and confirm. 3.BA technician- Not mentioned,.Please review and confirm. 4. Vacuum Truck Operator - In adequate. Please review and confirm.	The below mentioned man power seems to be in adequate /Missing for scope of work, please ensure, enough crew is available as per the job scope and provide revised Manpower loading chart. 1. Operator Bundle Puller - not mentioned since there is one bundle pull, Please review and confirm. - Bundle can be manually pulled out 2.Manway watch- Not mentioned, which will be required for the CSE activties.Please review and confirm. - Confirmed & Changes will be reflected in the revised proposals. 3.BA technician- Not mentioned,.Please review and confirm. - Confirmed & Changes will be reflected in the revised proposals. 4. Vacuum Truck Operator - In adequate. Please review and confirm. - Noted and Changes will be reflected in the revised proposal	1. As per the S-Chem safety requirement, its better to utilize the Bundle pulling by Bundle Puller. Therfore, please ensure to have in equipment deployment chart.	Noted and already upated in the revised technical proposal	Closed
11	Equipment loading Fixed and Catalyst	The below mentioned Equipment seems to be in adequate /Missing for scope of work, please ensure, enough equipment is available as per the job scope and provide revised equipment loading chart. 1. Bundle Puller- Not Mentioned. Since there one bundle pull. Please review and confirm.	Based on site visit and provided drawings (Bundle details -weights 527 kgs, dia-0.43 m & length 1.3 m) BUNDLE can be manually pulled out	As per the S-Chem safety requirement, its better to utilize the Bundle pulling by Bundle Puller. Therfore, please ensure to have in equipment deployment chart.	Noted and already upated in the revised technical proposal	Closed
12	Technical Proposal, reference Exhibit I	With respect to exhibit I 2.10 PIPE CLEANING, INSPECTION AND HOT WORK SCOPE OF WORK: The scope is updated to change from hot work to cold work. Highlighted strike out scope is removed for Hot work activities. 2 | **CLEANING SUCTION & DISCHARGE PIPING OF P-3301A/B- JCP-0426: D-3302** ➢ BLIND AS PER OPERATION BLIND LIST. ➢ COORDINATE TO DISCONNECT INSTRUMENT CONNECTIONS. ➢ DROP GATE VALVES, CONTROL VALVE, FE, NRV'S, PIPIG SPOOLS, PRESSURE GAUGE AS PER THE MARK UP P&ID'S ➢ OFFER FOR INITIAL INSPECTION / BOROSCOPE INSPECTION BY OPERATIONS, RELIBAILTY AND PROCESS ENGINEER ➢ ~~COLD CUTTING OF PIPING SPOOLS AND DROP AS PER MARK UP P&ID'S~~ ➢ HYDROJET CLEAN ALL PIPING LINE AS PER THE MARK UP P&IDS' ➢ PUMP STRANERS REMOVAL, CLEANINNG, INSPECTION AND INSTALATION. ➢ BOLTS AND GASKET SURFACE PREPARATION ➢ POST CLEANING INSPECTION BY RELIABILTY, PROCESS ENGINEERING AND OPERATIONS. ➢ COORDINATE WITH RELIABILITY AND PROCESS ENGINEERING FOR BORESCOPE INSPECTION. ➢ COMPLETE INSPECTION RECOMMENDATION AS PER RELIABILITY. ➢ ~~PREPARE FOR WELDING ACTIVITIES FOR PIPE SPOOLS FOR THE COLD CUT JOINTS DONE FOR CLEANING.~~ ➢ ~~BEVEL PREPARATION FOR PIPE JOINT.~~ ➢ ~~BEVEL JOINT DPT~~ ➢ ~~FIT UP PIPE SPOOLS JOINTS~~ ➢ ~~WELDING AND NDT (DPT, RT AND HYDRO TEST) AS PER THE RIR.~~ ➢ ~~OFFER FOR FINAL INSPECTION FOR WELDING ACTIVITIES BY RELIABILTY.~~ ➢ ALIGMENT CHECK FOR PUMP PIPING CONNECTION WITH S-CHEM ROTATING. ➢ INSTALL AND BOX UP GATE VALVES, CONTROL VALVE, FE, NRV'S, PIPIG SPOOLS, PRESSURE GAUGE AS PER THE MARK UP P&ID'S AND APPLY TORQUE AS REQUIRED. ➢ COORDINATE TO RE-CONNECT INSTRUMENT CONNECTIONS. ➢ PULL BLINDS AND APPLY TORQUE AS REQUIRED. **~~NOTE:~~** **~~1) COLD CUTTING, WELDING AND NDT (DPT, RT AND HYDRO TEST) UNDER CONTRACTOR SCOPE.~~** ➢ ISOLATION AND DECONTAMINATION OF EQUIPMENT/SYSTEM. (S-CHEM WILL PROVIDE ALL NECESSARY HARD PIPING FOR FACILITATE THE DECONTAMINATION WORKS) ➢ SYESTEM BLINDING AND COMMON BLINDING WHICH INTERPRETED WITH OTHERS. ➢ PROVIDE DRAWINGS, MATERIALS, HARD WARES, BLINDS, AND GASKETS. ➢ PROVIDE ALL UTILITIES SUCH AS WATER, INTERNAL AND EXTERNAL LIGHTING ➢ SCAFFOLDING (INTERNAL AND OUTSIDE). ➢ INSULATION REMOVAL & REINSTALLATION, ➢ UTT / SEE SNAKE / BORESCOPE INSPECTION. ➢ PAINTING WORK. ➢ **~~PRE-FABRICATION OF PIPE SPOOLS.~~**	Noted and Changes will be reflected in the revised proposal			Closed

<table>
<tr><th>S. No.</th><th>Reference</th><th>S-Chem's 1st comment</th><th>Expertise 1st Response</th><th>Remarks</th></tr>
<tr><td>1</td><td>Technical Proposal, 2.</td><td>The following is missing in contractor responsibility, Please confirm and update the proposal for resources and terms and condition.

1) Valve transportation to inside S-Chem Facility.
2) Hydro test for exchangers
3) Drums and Pallets for Unloading and storage of spent catalyst for R-3203
4) Vacuum Trucks with hoses for Unloading and disposal of spent catalyst for R-3301 and R-3302
5) Loading Spreader Beams for the Jumbo bags for loading new catalyst for R-3301 and R-3302
6) Bundle puller with crew for Exchanger
7) Buffing activity as per scope
8) Arrange close circuit cameras for inspection, unloading and loading of catalyst / desiccant on all vessels. R-3301, R-3302 & R-3203.
9) Vacuum Trucks and Catch Basin / skip for D-3302 and E-3303 & E-3304 respectively during hydro jetting activities.</td><td>Noted and Confirmed</td><td>Closed</td></tr>
<tr><td>2</td><td>Technical Proposal, 3.0 S-Chem to provide / Take Care of (Free of Charge), 3.10</td><td>This is under contractor scope. Please confirm</td><td>Confirmed. ECC will provide for test coupon for CS and SS materials. However, if other materials if arise any test coupon will be provided by S-CHEM</td><td>Closed</td></tr>
<tr><td>3</td><td>Technical Proposal, 3.0 S-Chem to provide / Take Care of (Free of Charge), 3.15</td><td>1) Plant air is not available. Providing Air Compressor is under Contractor responsibility. Please confirm and update the proposal.
2) Electric power supply as specified in scope for the equipment will be provided. For Contractor Containers, Contractor should arrange by themself the generators for power supply. Please confirm.</td><td>1. Confirmed
2. Confirmed</td><td>Closed</td></tr>
<tr><td>4</td><td>Technical Proposal, Manpower loading Chart</td><td>Please refer Exhibit I, Section-A Terms & Condition, "CONTRACTOR shall provide Manpower loading chart and equipment loading chart separately for Catalyst change Exhibit I and shall not combine with Manpower loading chart and equipment loading chart of Fixed equipment package Ethylene Exhibit I. Overall Project Manager can be combined as one for Catalyst change Exhibit I and Fixed equipment package Ethylene Exhibit I."
Therefore, Please provide the Manpower loading chart accordingly for further technical evaluation</td><td>Confirmed. we will provide and submit the Mnapower Loading Chart for Catalyst change out</td><td>Closed</td></tr>
<tr><td>5</td><td>Technical Proposal, Equipment loading Chart</td><td>Please refer Exhibit I, Section-A Terms & Condition, "CONTRACTOR shall provide Manpower loading chart and equipment loading chart separately for Catalyst change Exhibit I and shall not combine with Manpower loading chart and equipment loading chart of Fixed equipment package Ethylene Exhibit I. Overall Project Manager can be combined as one for Catalyst change Exhibit I and Fixed equipment package Ethylene Exhibit I."
Therefore, Please provide the equipment loading chart accordingly for further technical evaluation.</td><td>Confirmed. we will provide and submit the Equipment Loading Chart for Catalyst change out</td><td>Closed</td></tr>
<tr><td>12</td><td>Technical Proposal, reference Exhibit I</td><td>With respect to exhibit I 2.10 PIPE CLEANING, INSPECTION AND HOT WORK SCOPE OF WORK: The scope is updated to change from hot work to cold work. Highlighted strike out scope is removed for Hot work activities.
<table>
<tr><td>2</td><td><u>CLEANING SUCTION & DISCHARGE PIPING OF P-3301A/B- JCP-0426: D-3302</u>

➢ BLIND AS PER OPERATION BLIND LIST.
➢ COORDINATE TO DISCONNECT INSTRUMENT CONNECTIONS.
➢ DROP GATE VALVES, CONTROL VALVE, FE, NRV'S, PIPIG SPOOLS, PRESSURE GAUGE AS PER THE MARK UP P&ID'S
➢ OFFER FOR INITIAL INSPECTION / BOROSCOPE INSPECTION BY OPERATIONS, RELIBAILTY AND PROCESS ENGINEER
➢ ~~COLD CUTTING OF PIPING SPOOLS AND DROP AS PER MARK UP P&ID'S~~
➢ HYDROJET CLEAN ALL PIPING LINE AS PER THE MARK UP P&IDS'
➢ PUMP STRANERS REMOVAL, CLEANINNG, INSPECTION AND INSTALATION.
➢ BOLTS AND GASKET SURFACE PREPARATION
➢ POST CLEANING INSPECTION BY RELIABILTY, PROCESS ENGINEERING AND OPERATIONS.
➢ COORDINATE WITH RELIABILITY AND PROCESS ENGINEERING FOR BORESCOPE INSPECTION.
➢ COMPLETE INSPECTION RECOMMENDATION AS PER RELIABILITY.
➢ ~~PREPARE FOR WELDING ACTIVITIES FOR PIPE SPOOLS FOR THE COLD CUT JOINTS DONE FOR CLEANING.~~
➢ ~~BEVEL PREPARATION FOR PIPE JOINT.~~
➢ ~~BEVEL JOINT DPT~~
➢ ~~FIT UP PIPE SPOOLS JOINTS~~
➢ ~~WELDING AND NDT (DPT, RT AND HYDRO TEST) AS PER THE RIR.~~
➢ ~~OFFER FOR FINAL INSPECTION FOR WELDING ACTIVITIES BY RELIABILTY.~~
➢ ALIGMENT CHECK FOR PUMP PIPING CONNECTION WITH S-CHEM ROTATING.
➢ INSTALL AND BOX UP GATE VALVES, CONTROL VALVE, FE, NRV'S, PIPIG SPOOLS, PRESSURE GAUGE AS PER THE MARK UP P&ID'S AND APPLY TORQUE AS REQUIRED.
➢ COORDINATE TO RE-CONNECT INSTRUMENT CONNECTIONS.
➢ PULL BLINDS AND APPLY TORQUE AS REQUIRED.
~~NOTE:~~
~~1) COLD CUTTING, WELDING AND NDT (DPT, RT AND HYDRO TEST) UNDER CONTRACTOR SCOPE.~~</td><td>➢ ISOLATION AND DECONTAMINATION OF EQUIPMENT/SYSTEM. (S-CHEM WILL PROVIDE ALL NECESSARY HARD PIPING FOR FACILITATE THE DECONTAMINATION WORKS)
➢ SYESTEM BLINDING AND COMMON BLINDING WHICH INTERPRETED WITH OTHERS.
➢ PROVIDE DRAWINGS, MATERIALS, HARD WARES, BLINDS, AND GASKETS.
➢ PROVIDE ALL UTILITIES SUCH AS WATER, INTERNAL AND EXTERNAL LIGHTING
➢ SCAFFOLDING (INTERNAL AND OUTSIDE).
➢ INSULATION REMOVAL & REINSTALLATION,
➢ UTT / SEE SNAKE / BORESCOPE INSPECTION.
➢ PAINTING WORK.
➢ ~~PRE-FABRICATION OF PIPE SPOOLS.~~</td></tr>
</table></td><td>Noted and Confirmed</td><td>Closed</td></tr>
</table>

<table>
<tr><th>S. No.</th><th>Reference</th><th>S-Chem's 1st comment</th><th>Kanooz 1st Response</th><th>Remarks</th></tr>
<tr><td>1</td><td>Technical Proposal,</td><td>The following is missing in contractor responsibility, Please confirm and update the proposal for resources and terms and condition.

1) Drums and Pallets for Unloading and storage of spent catalyst for R-3203
2) Vacuum Trucks with hoses for Unloading and disposal of spent catalyst for R-3301 and R-3302
3) Loading Spreader Beams for the Jumbo bags for loading new catalyst for R-3301 and R-3302
4) Buffing activity as per scope
5) Arrange close circuit cameras for inspection, unloading and loading of catalyst / desiccant on all vessels. R-3301, R-3302 & R-3203.
6) Vacuum Trucks and Catch Basin / skip for D-3302 and E-3303 & E-3304 respectively during hydro jetting activities.</td><td>Noted.Missing responsibility is considered in our proposal.We will updated and submit in future when finalised the contract.</td><td>Closed</td></tr>
<tr><td>2</td><td>Technical Proposal, Schedule</td><td>CONTRACTOR not submitted the P6 Schedule based on the following docuements provided "SYSTEM WISE MAINTENANCE WINDOW-ETHYLENE" and " System Wise Schedule Summary -Ethylene Catalyst" and " System Wise Schedule Summary - Ethylene". herefore, Please provide the Org. chart accordingly for further technical evaluation.</td><td>Organisation chart submitted in our technical offer.P6 schedule will be provide after award of contract.</td><td>Closed</td></tr>
<tr><td>3</td><td>Technical Proposal,</td><td>The requested manpower (as per below) to support maintenance during decommissioning 12 days and commisioning start up 12 days as per Fixed equipment package Ethylene Exhibit I are captured in Proposal. Please confirm.
Pipe fitter - 16 (8 day / 8 Night)
Pipe fitter (BA Qualified) - 8 (4 day / 4 Night)
Foreman/Permit receiver - 2 (1 day / 1 Night)
Breathing Apparatus complete set- 1 (24 hours)</td><td>We considered 14 days as per Exhibit-II rev.1 and Exhibit-I SOW Fixed Package rev.2. We will submit revised proposal as per current requirement.</td><td>Closed</td></tr>
<tr><td>4</td><td>Technical Proposal, Manpower loading Chart</td><td>Please refer Exhibit I, Section-A Terms & Condition, "CONTRACTOR shall provide Manpower loading chart and equipment loading chart separately for Catalyst change Exhibit I and shall not combine with Manpower loading chart and equipment loading chart of Fixed equipment package Ethylene Exhibit I. Overall Project Manager can be combined as one for Catalyst change Exhibit I and Fixed equipment package Ethylene Exhibit I."
Therefore, Please provide the Manpower loading chart accordingly for further technical evaluation</td><td>Noted.Seperate Manpower Chart will provide in final submission of updated Technical Proposal.</td><td>Closed</td></tr>
<tr><td>5</td><td>Technical Proposal, Equipment loading Chart</td><td>Please refer Exhibit I, Section-A Terms & Condition, "CONTRACTOR shall provide Manpower loading chart and equipment loading chart separately for Catalyst change Exhibit I and shall not combine with Manpower loading chart and equipment loading chart of Fixed equipment package Ethylene Exhibit I. Overall Project Manager can be combined as one for Catalyst change Exhibit I and Fixed equipment package Ethylene Exhibit I."
Therefore, Please provide the equipment loading chart accordingly for further technical evaluation.</td><td>Noted.Seperate Equipment Loading Chart will provide in final submission of updated Technical Proposal.</td><td>Closed</td></tr>
<tr><td>12</td><td>Technical Proposal, reference Exhibit I</td><td>With respect to exhibit I 2.10 PIPE CLEANING, INSPECTION AND HOT WORK SCOPE OF WORK: The scope is updated to change from hot work to cold work. Highlighted strike out scope is removed for Hot work activities.

<table>
<tr><td>2</td><td><u>CLEANING SUCTION & DISCHARGE PIPING OF P-3301A/B- JCP-0426: D-3302</u>

➢ BLIND AS PER OPERATION BLIND LIST.
➢ COORDINATE TO DISCONNECT INSTRUMENT CONNECTIONS.
➢ DROP GATE VALVES, CONTROL VALVE, FE, NRV'S, PIPIG SPOOLS, PRESSURE GAUGE AS PER THE MARK UP P&ID'S
➢ OFFER FOR INITIAL INSPECTION / BOROSCOPE INSPECTION BY OPERATIONS, RELIBAILTY AND PROCESS ENGINEER
➢ ~~COLD CUTTING OF PIPING SPOOLS AND DROP AS PER MARK UP P&ID'S~~
➢ HYDROJET CLEAN ALL PIPING LINE AS PER THE MARK UP P&IDS'
➢ PUMP STRANERS REMOVAL, CLEANINNG, INSPECTION AND INSTALATION.
➢ BOLTS AND GASKET SURFACE PREPARATION
➢ POST CLEANING INSPECTION BY RELIABILTY, PROCESS ENGINEERING AND OPERATIONS.
➢ COORDINATE WITH RELIABILITY AND PROCESS ENGINEERING FOR BORESCOPE INSPECTION.
➢ COMPLETE INSPECTION RECOMMENDATION AS PER RELIABILITY.
➢ ~~PREPARE FOR WELDING ACTIVITIES FOR PIPE SPOOLS FOR THE COLD CUT JOINTS DONE FOR CLEANING.~~
➢ ~~BEVEL PREPARATION FOR PIPE JOINT.~~
➢ ~~BEVEL JOINT DPT~~
➢ ~~FIT UP PIPE SPOOLS JOINTS~~
➢ ~~WELDING AND NDT (DPT, RT AND HYDRO TEST) AS PER THE RIR.~~
➢ ~~OFFER FOR FINAL INSPECTION FOR WELDING ACTIVITIES BY RELIABILTY.~~
➢ ALIGMENT CHECK FOR PUMP PIPING CONNECTION WITH S-CHEM ROTATING.
➢ INSTALL AND BOX UP GATE VALVES, CONTROL VALVE, FE, NRV'S, PIPIG SPOOLS, PRESSURE GAUGE AS PER THE MARK UP P&ID'S AND APPLY TORQUE AS REQUIRED.
➢ COORDINATE TO RE-CONNECT INSTRUMENT CONNECTIONS.
➢ PULL BLINDS AND APPLY TORQUE AS REQUIRED.
~~NOTE:~~
~~1) COLD CUTTING, WELDING AND NDT (DPT, RT AND HYDRO TEST) UNDER CONTRACTOR SCOPE.~~</td><td>➢ ISOLATION AND DECONTAMINATION OF EQUIPMENT/SYSTEM. (S-CHEM WILL PROVIDE ALL NECESSARY HARD PIPING FOR FACILITATE THE DECONTAMINATION WORKS)
➢ SYESTEM BLINDING AND COMMON BLINDING WHICH INTERPRETED WITH OTHERS.
➢ PROVIDE DRAWINGS, MATERIALS, HARD WARES, BLINDS, AND GASKETS.
➢ PROVIDE ALL UTILITIES SUCH AS WATER, INTERNAL AND EXTERNAL LIGHTING
➢ SCAFFOLDING (INTERNAL AND OUTSIDE).
➢ INSULATION REMOVAL & REINSTALLATION,
➢ UTT / SEE SNAKE / BORESCOPE INSPECTION.
➢ PAINTING WORK.
➢ ~~PRE-FABRICATION OF PIPE SPOOLS.~~</td></tr>
</table></td><td>Noted.We will update in our proposal in final submission.</td><td>Closed</td></tr>
</table>

S. No.	Reference	S-Chem's 1st comment	AL Muzain 1st Response	Remarks
1	Technical Proposal, 2. Al-Muzain TO PROVIDE / TAKE CARE OF,	The following is missing in contractor responsibility, Please confirm and update the proposal for resources and terms and condition. 1) Hydro test for exchangers 2) Drums and Pallets for Unloading and storage of spent catalyst for R-3203 3) Vacuum Trucks with hoses for Unloading and disposal of spent catalyst for R-3301 and R-3302 4) Loading Spreader Beams for the Jumbo bags for loading new catalyst for R-3301 and R-3302 5) Bundle puller with crew for Exchanger 6) Buffing activity as per scope 7) Arrange close circuit cameras for inspection, unloading and loading of catalyst / desiccant on all vessels. R-3301, R-3302 & R-3203. 8) All NDT (Hydro test, Cold cutting, RT and PWHT) support for piping hot work as per scope of work.	Noted & Confirmed, Revised Technical & Commercial proposal will be submitted.	Closed
2	Technical Proposal, 3. Al-Muzain to Provide / Take Care of, Note Point 1	CONTRACTOR mentioned " Hydro jetting water can be drained in nearby trenches/sewers". 1) However, as per the Exhibit 1 provided by the COMPANY, CONTRACTOR shall make arrangement for dispose the Sludge / wastewater during hydro jetting to the disposal area outside of COMPANY facilities / inside COMPANY facility as per recommendation from COMPANY EHS by providing trailers / trucks with driver and flagman. Please refer clause 1.1.41. 2) Also during Pre- Bid queries, S-Chem clarified that " Contractor shall arrange with having proper arrangement and containment to drain to catch basin. Any hydro jetting water residual , which cannot be drained & require vacuum truck then it is contractor responsibility. " Please confirm.	Noted & Confirmed, Revised Technical & Commercial proposal will be submitted.	Closed
3	Technical Proposal, 4. Saudi Chevron to provide, 4.12	CONTRACTOR mentioned " Special Medical Requirement " under COMPANY responsibility. Medical Facility / special Medical Requirement to their own employees its under CONTRACTOR scope. Please confirm and update the proposal.	Noted & Confirmed, Revised Technical & Commercial proposal will be submitted.	Closed
4	Technical Proposal, 4. Saudi Chevron to provide, 4.30	Plant air is not available. Providing Air Compressor is under Contractor responsibility. Please confirm and update the proposal.	Noted & Confirmed, Revised Technical & Commercial proposal will be submitted.	Closed
5	Technical Proposal, Bar chart Schedule	Please refer Exhibit I, Section-A Terms & Condition, "CONTRACTOR shall provide Manpower loading chart and equipment loading chart separately for Catalyst change Exhibit I and shall not combine with Manpower loading chart and equipment loading chart of Fixed equipment package Ethylene Exhibit I. Overall Project Manager can be combined as one for Catalyst change Exhibit I and Fixed equipment package Ethylene Exhibit I." Therefore, Please provide the equipment loading chart accordingly for further technical evaluation.	Noted & Attached Revised Preliminary Bar Chart schedule.	Closed
6	Technical Proposal,	The requested manpower (as per below) to support maintenance during decommissioning 12 days and commisioning start up 12 days as per Fixed equipment package Ethylene Exhibit I are captured in Proposal. Please confirm. Pipe fitter - 16 (8 day / 8 Night) Pipe fitter (BA Qualified) - 8 (4 day / 4 Night) Foreman/Permit receiver - 2 (1 day / 1 Night) Breathing Apparatus complete set- 1 (24 hours)	Noted & Confirmed, Revised Technical & Commercial proposal will be submitted.	Closed
7	Manpower loading Fixed and Catalyst	The below mentioned man power seems to be in adequate /Missing for scope of work, please ensure, enough crew is available as per the job scope and provide revised Manpower loading chart. 1. Supervisor - In adequate for Fixed and catalyst, Please review and confirm. 2. Permit receiver & Foremen- In adequate for catalyst, Please review and confirm. 3. Mechanical Fitter - In adequate for Fixed and catalyst, Please review and confirm. 4. Manway & Fire Watch - Not mentioned for fixed and catalyst, Please review and confirm. 5. Bundle Puller Operator - Not mentioned, Please review and confirm. 6. Vacuum Truck Operator - In adequate for catalyst since R-3301 and R-3302 will require Super sucker / vacuum truck to unload the Catalyst and vacuum truck will be used for disposal as mentioned in exhibit I. So Please review and confirm. 7. Fabricator - Not mentioned for fixed and catalyst, as there are Buffing activities so please review and confirm. 8. Welder - Not mentioned for fixed, as there are Buffing activities so please review and confirm. 9. BA Technician - Not mentioned for fixed, so please review and confirm. 10. Hydrojetters - In adequate for fixed, Please review and confirm. 11. Catayist Technician - In adequate, Please review and confirm.	Noted & Revised Manpower Deployment Table Attached	Closed
8	Equipment loading Fixed and Catalyst	The below mentioned Equipment seems to be in adequate /Missing for scope of work, please ensure, enough equipment is available as per the job scope and provide revised equipment loading chart. 1. Bundle Puller- Not Mentioned. Since there one bundle pull. Please review and confirm. 2. HP Pump - not Mentioned for 15K PSI and 20K PSI. Only provided 10K PSI only. Please review and confirm. 3. Welding machine- not Mentioned since there welding activities for piping work. Please review and confirm. 4. Vacuum Truck- Not mentioned fixed and in adquate for catalyst. Please review and confirm. 5. BA/CANNISTER SCBA APPARATUS - Not Mentioned for Fixed scope and inadequate for Catalyst. Please review and confirm.	Noted & Revised Equipment Deployment Table Attached	Closed
9	Technical Proposal, reference Exhibit I	With respect to exhibit I 2.10 PIPE CLEANING, INSPECTION AND HOT WORK SCOPE OF WORK: The scope is updated to change from hot work to cold work. Highlighted strike out scope is removed for Hot work activities. 2 **CLEANING SUCTION & DISCHARGE PIPING OF P-3301A/B- JCP-0426: D-3302** ➢ BLIND AS PER OPERATION BLIND LIST. ➢ COORDINATE TO DISCONNECT INSTRUMENT CONNECTIONS. ➢ DROP GATE VALVES, CONTROL VALVE, FE, NRV'S, PIPIG SPOOLS, PRESSURE GAUGE AS PER THE MARK UP P&ID'S ➢ OFFER FOR INITIAL INSPECTION / BOROSCOPE INSPECTION BY OPERATIONS, RELIBAILTY AND PROCESS ENGINEER ➢ ~~COLD CUTTING OF PIPING SPOOLS AND DROP AS PER MARK UP P&ID'S~~ ➢ HYDROJET CLEAN ALL PIPING LINE AS PER THE MARK UP P&IDS' ➢ PUMP STRANERS REMOVAL, CLEANINNG, INSPECTION AND INSTALATION. ➢ BOLTS AND GASKET SURFACE PREPARATION ➢ POST CLEANING INSPECTION BY RELIABILTY, PROCESS ENGINEERING AND OPERATIONS. ➢ COORDINATE WITH RELIABILITY AND PROCESS ENGINEERING FOR BORESCOPE INSPECTION. ➢ COMPLETE INSPECTION RECOMMENDATION AS PER RELIABILITY. ➢ ~~PREPARE FOR WELDING ACTIVITIES FOR PIPE SPOOLS FOR THE COLD CUT JOINTS DONE FOR CLEANING.~~ ➢ ~~BEVEL PREPARATION FOR PIPE JOINT.~~ ➢ ~~BEVEL JOINT DPT~~ ➢ ~~FIT UP PIPE SPOOLS JOINTS~~ ➢ ~~WELDING AND NDT (DPT, RT AND HYDRO TEST) AS PER THE RIR.~~ ➢ ~~OFFER FOR FINAL INSPECTION FOR WELDING ACTIVITIES BY RELIABILTY.~~ ➢ ALIGMENT CHECK FOR PUMP PIPING CONNECTION WITH S-CHEM ROTATING. ➢ INSTALL AND BOX UP GATE VALVES, CONTROL VALVE, FE, NRV'S, PIPIG SPOOLS, PRESSURE GAUGE AS PER THE MARK UP P&ID'S AND APPLY TORQUE AS REQUIRED. ➢ COORDINATE TO RE-CONNECT INSTRUMENT CONNECTIONS. ➢ PULL BLINDS AND APPLY TORQUE AS REQUIRED. **~~NOTE:~~** **~~1) COLD CUTTING, WELDING AND NDT (DPT, RT AND HYDRO TEST) UNDER CONTRACTOR SCOPE.~~** ➢ ISOLATION AND DECONTAMINATION OF EQUIPMENT/SYSTEM. (S-CHEM WILL PROVIDE ALL NECESSARY HARD PIPING FOR FACILITATE THE DECONTAMINATION WORKS) ➢ SYESTEM BLINDING AND COMMON BLINDING WHICH INTERPRETED WITH OTHERS. ➢ PROVIDE DRAWINGS, MATERIALS, HARD WARES, BLINDS, AND GASKETS. ➢ PROVIDE ALL UTILITIES SUCH AS WATER, INTERNAL AND EXTERNAL LIGHTING ➢ SCAFFOLDING (INTERNAL AND OUTSIDE). ➢ INSULATION REMOVAL & REINSTALLATION, ➢ UTT / SEE SNAKE / BORESCOPE INSPECTION. ➢ PAINTING WORK. ➢ ~~PRE-FABRICATION OF PIPE SPOOLS.~~	Noted & Confirmed, Revised Technical & Commercial proposal will be submitted.	Closed